

Working Group 1 Plans

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FFAG03, KEK

- Acceleration Schemes for Muons
- Proton Driver based FFAGs

- Do a direct comparison of scaling and non-scaling FFAGs for muon acceleration
 - ◆ Design a scaling FFAG acceleration scheme to US muon beam parameters
 - ◆ Design a non-scaling FFAG acceleration scheme to Japanese muon beam parameters
- Lay out and specify injection and extraction systems for FFAG Muon Acceleration schemes
- Specify parameters for an electron demonstration model of a non-scaling FFAG
- Identify issues for low-energy acceleration stages, and produce and refine designs for them
- Study using a (scaling) FFAG for a proton driver
 - ◆ Develop a preliminary parameter set
 - ◆ Produce a rough design based on that parameter set

- Brief presentation(s) to entire conference at the beginning of each day, summarizing the previous days progress and outline the current day's plans
- More detailed presentations to the working group on specific topics (1 or 2 hours at most)
- Remainder of the day devoted to working in small groups or as individuals on specific items
- At the end of the day (4PM?), we come back together as a working group to discuss progress and plans for the next day.
 - ◆ Individuals/groups make short informal presentations discussing
 - ★ What they've accomplished
 - ★ Initiating discussion on topics/questions they may have
 - ◆ Discuss the next day
 - ★ What people want to work on
 - ★ Presentations for the next day

- Presentations describing a “baseline” scenario for muon acceleration
 - ◆ Scaling FFAG, which accelerates the KEK input beam (Machida/Yokoi)
 - ◆ Non-scaling FFAG, which accelerates the US input beam (Berg)
- Requirements for a proton driver and parameter outline (Weng)
- Introductions and planning